Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	03/29/2021 09:49 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	12/15/2020 11:39 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	91417	Expiration Date:	03/31/2021
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124955	-1	2.01	125031	1.98
Blue	F	SSC	125000	123969	-1	3.07	124969	2.96
Blue	E	FITC	14203	13772	-4	2.55	300	15.31
Blue	D	PE	25703	25358	-2	2.13	550	10.64
Blue	B	PerCP-Cy5-5	42104	41127	-3	3.11	916	14.83
Blue	A	PE-Cy7	34646	34300	-1	4.52	489	29.91
Red	C	APC	49824	49333	-1	2.83	1515	11.50
Red	A	APC-Cy7	39773	38573	-4	2.79	718	11.88
Violet	B	V450	7447	7176	-4	3.93	394	12.52
Violet	A	V500	31193	30223	-4	3.70	682	10.40

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	22028	2.39	551	-5	N/A	N/A	Pass
Blue	F	SSC	54264	2.51	514	2	N/A	N/A	Pass
Blue	E	FITC	56	51.89	484	-2	0.0390	74	Pass
Blue	D	PE	108	38.51	486	1	0.3627	257	Pass
Blue	B	PerCP-Cy5-5	174	35.87	578	1	0.0185	24	Pass
Blue	A	PE-Cy7	111	63.81	623	3	0.0208	0	Pass
Red	C	APC	350	24.37	569	2	0.0272	104	Pass
Red	A	APC-Cy7	197	25.16	546	2	0.0061	755	Pass
Violet	B	V450	89	39.65	451	2	0.0489	1440	Pass
Violet	A	V500	121	29.15	469	2	0.0232	571	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.65	-31.49	1.04
Blue	20.34	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.41
Red	19.43	15.99 - 23.99	N/A	N/A	29.94	30.09	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 11647

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments